

### 3—Identified global consumers of tungsten concentrates

Explanation: This list represents global plants that are known to process tungsten concentrates. It does not include plants that only process scrap or only process materials downstream from concentrates and/or scrap. Additional concentrate-consuming plants may exist that were not included if the type of feed materials processed could not be confirmed. Data records are sorted by country and then alphabetically by owner.

COUNTRY	PRODUCTS	LOCATION	OPERATOR / OWNERSHIP
Austria	Ammonium paratungstate	St. Martin im Sulmtal, Styria	Wolfram Bergbau und Hütten AG (Sandvik AB, 100%)
Brazil	Ferrotungsten	Araçariquama, São Paulo	ACL Metais Ltda.
Brazil	Ferrotungsten	São Bernardo do Campo, São Paulo	Giro Metais Industria e Comercio Ltda.
China	Ferrotungsten	Anhua County, Yiyang, Hunan	Anhua Tiangong Jinyuan Alloy Materials Co., Ltd.
China	Ammonium paratungstate	Huju Town, Chaling County, Zhuzhou, Hunan	Chaling Dadi Tungsten Co., Ltd.
China	Ammonium paratungstate	Suxian District, Chenzhou, Hunan	Chenzhou Diamond Tungsten Products Co., Ltd.

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COUNTRY	PRODUCTS	LOCATION	OPERATOR / OWNERSHIP
China	Ammonium paratungstate	Luanchuan County, Luoyang, Henan	China Molybdenum Co., Ltd.
China	Ammonium paratungstate	Chongyi County, Ganzhou, Jiangxi	Chongyi Zhangyuan Tungsten Co., Ltd.
China	Ferrotungsten	Jiuli township, Emeishan, Sichuan	Chuantou Emei Ferroalloy [Sichuan Chuantou Emei Ferroalloy (Group) Co., Ltd.]
China	Ammonium paratungstate	Xincheng Industrial Park, Dayu County, Ganzhou, Jiangxi	Dayu Jincheng Tungsten Industry Co., Ltd.
China	Ammonium paratungstate	Nan'an Town, Dayu County, Cangzhou, Jiangxi	Dayu Weiliang Tungsten Co., Ltd.
China	Ammonium paratungstate	Dongtai, Jiangsu	Dongtai Huihuang Tungsten & Molybdenum Product Co., Ltd.

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COUNTRY	PRODUCTS	LOCATION	OPERATOR / OWNERSHIP
China	Ferrotungsten	Wuji Town, Hengdong County, Hengyang, Hunan	Ferro-tungsten Co. [Hunan Chuangda Vanadium Tungsten Co., Ltd. (HCVT)]
China	Ammonium paratungstate	Longyan Industry Region, Xinluo District, Longyan, Fujian	Fujian Jinxin Tungsten Co., Ltd.
China	Ammonium paratungstate	Fuzhou, Fujian	Fujian Minmetals Jinjiang Nonferrous Metals Co., Ltd.
China	Ammonium paratungstate	Gan County, Ganzhou, Jiangxi	Ganxian Shirui New Material Co., Ltd.
China	Ammonium paratungstate	Dayu Industrial Park, Cangzhou, Jiangxi	Ganzhou Haichuang Tungsten Industry Co., Ltd. [Ganzhou Tejing Tungsten & Molybdenum Co., Ltd. (GZTJ)]
China	Ammonium paratungstate	Ganzhou, Jiangxi	Ganzhou Huaxing Tungsten Products Co. Ltd. [Jiangxi Tungsten Industry Group Co. Ltd. (JWYX) [joint venture between China Minmetals and Jiangxi Rare Earth and Rare Metals Tungsten Group Corp. (JXTC)]]

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China	Ferrotungsten	Meilin Town, Gan County, Ganzhou, Jiangxi	Ganzhou Jiangwu Ferrotungsten Co. Ltd. [Jiangxi Tungsten Industry Group Co. Ltd. (JWYX) [joint venture between China Minmetals and Jiangxi Rare Earth and Rare Metals Tungsten Group Corp. (JXTC)]]
China	Ammonium paratungstate	Ganzhou, Jiangxi	Ganzhou Seadragon W & Mo Co., Ltd. (Ganzhou Grand Sea W & Mo Group Co., Ltd.)
China	Ammonium paratungstate	Junmenling Town, Huichang County, Ganzhou, Jiangxi	Ganzhou Yatai Tungsten Co., Ltd.
China	Ammonium paratungstate	Guantang Industrial Zone, Chao'an County, Chaozhou, Guangdong	GuangDong XiangLu Tungsten Co., Ltd. (Chaozhou Xianglu Tungsten Industry Co., Ltd.)
China	Ammonium paratungstate	Hezhou, Guangxi	Guangxi Guihuacheng Co., Ltd. [CNMC (Guangxi) PGMA Co., Ltd.]
China	Ammonium paratungstate	Ganzhou, Jiangxi	H.C. Starck Jiangwu Tungsten Specialties (Ganzhou) Co., Ltd. [H.C. Starck GmbH and Jiangxi Rare Metals Tungsten Holdings Group Co. Ltd. (JXTC)]

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COUNTRY	PRODUCTS	LOCATION	OPERATOR / OWNERSHIP
China	Ammonium paratungstate	Guanzhuang Town, Yuanling County, Huaihua, Hunan	Hunan Chenzhou Mining Co., Ltd. (Hunan Gold Corp. Ltd.)
China	Ammonium paratungstate	Xintang Town, Hengdong County, Hengyang, Hunan	Hunan Chunchang Nonferrous Metals Co., Ltd.
China	Ammonium paratungstate, Ferrotungsten	Anhua County, Yiyang, Hunan	Hunan Litian High-tech Materials Co., Ltd.
China	Ammonium paratungstate	Huanglong Industrial Park, Huanglong Town, Dayu County, Ganzhou, Jiangxi	Jiangxi Dayu Longxintai Tungsten Co., Ltd.
China	Ammonium paratungstate	New Century Industrial Park, Gao'an, Jiangxi	Jiangxi Minmetals Gao'an Non-ferrous Metals Co., Ltd.
China	Ammonium paratungstate	Tonggu, Yichun, Jiangxi	Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd. [Jiangxi Rare Metals Tungsten Holding Group Co., Ltd. (JXTC)]

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COUNTRY	PRODUCTS	LOCATION	OPERATOR / OWNERSHIP
China	Ammonium paratungstate	Dingnan County, Ganzhou, Jiangxi	Jiangxi Xinsheng Tungsten Industry Co., Ltd. [Jiangxi Rare Metals Tungsten Holding Group Co., Ltd. (JXTC)]
China	Ammonium paratungstate	Wudu Industrial Park, Xiushui County, Jiangxi	Jiangxi Xiushui Ganbei Tungsten Industry Co., Ltd. (China Minmetals Nonferrous Metals Holding Co., Ltd.)
China	Ammonium paratungstate	Xiushui Industrial Park, Xiushui, Jiangxi	Jiangxi Xiushui Xianggan Nonferrous Metals Co., Ltd.
China	Ammonium paratungstate	Changlong Town, Chongyi County, Ganzhou, Jiangxi	Jiangxi Yaosheng Tungsten Co., Ltd.
China	Ammonium paratungstate	Qiancun, Heyu Town, Luanchuan County, Luoyang, Henan	Luoyang Mudu Tungsten & Molybdenum Technology Co., Ltd.
China	Ammonium paratungstate	Xiagou Industry Region, Xigong District, Luoyang, Henan	Luoyang Yongzhuo Tungsten & Molybdenum Material Co., Ltd. (Henan Coal & Chemical Industry Group)

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China	Ammonium paratungstate	Nanfeng Xiaozhai, Yunnan	Malipo Haiyu Tungsten Co., Ltd. [Xiamen Tungsten Co., Ltd. (XTC)]
China	Ferrotungsten	Xiangxiang, Xiangtan municipality, Hunan	Minmetals (Hunan) Ferroalloys Co. Ltd. (China Minmetals Corp.)
China	Ammonium paratungstate	Ninghua County, Sanming, Fujian	Ninghua Fuyan Mineral Products Co., Ltd.
China	Ferrotungsten	Jilin, Jilin	Sinosteel Jilin Ferroalloy Corp. Ltd. (Sinosteel Corp.)
China	Ammonium paratungstate	Hengyang, Hunan	South-East Nonferrous Metal Co. Ltd. of Hengyang City (China National NonFerrous Metals Imp. & Exp. Jiangxi Corp. Ltd.)
China	Ammonium paratungstate	Dapu Industrial Park, Hengdong County, Hunan	Tungsten-cobalt Co. [Hunan Chuangda Vanadium Tungsten Co., Ltd. (HCVT)]

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China	Ammonium paratungstate	Wendeng District, Weihai, Shandong	Wendeng Zhengxing Tungsten Industry Co., Ltd.
China	Ammonium paratungstate	Haicang District, Xiamen, Fujian	Xiamen Jialu Metal Industry Co., Ltd. [Xiamen Tungsten Co., Ltd. (XTC)]
China	Ammonium paratungstate	Haicang District, Xiamen, Fujian	Xiamen Tungsten (H.C.) Co., Ltd. [Xiamen Tungsten Co., Ltd. (XTC)]
China	Ammonium paratungstate	Xinfeng County, Ganzhou, Jiangxi	Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd.
China	Ammonium paratungstate	Guihua Village, Renhua County, Shaoguan, Guangdong	Xinhai Rendan Shaoguan Tungsten Co., Ltd.
China	Ammonium paratungstate	Sanxing Industrial Park, Rucheng County, Chenzhou, Hunan	Zhongxiang Tungsten Co., Ltd.



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Germany	Ammonium paratungstate	Goslar, Lower Saxony	H.C. Starck GmbH
India	Ammonium paratungstate	Sinnar, Nashik, Maharashtra State	SRP Tungsten Pvt. Ltd. (SRP Electronica Group)
Japan	Ammonium paratungstate	Akitam, Akita	Japan New Metals Co. Ltd. (Mitsubishi Materials Corp. and Ryoko Sangyo Corp.)
Korea, Republic of	Ferrotungsten	Gyeongju, Gyeongbuk Province	Woltech Korea Co., Ltd.
Russia	Ammonium paratungstate	Nalchik, Kabardino-Balkariya Republic	OAo Gidrometallurg [also known as JSC Hydrometallurg (ZAO Wolfram)]
Russia	Ammonium paratungstate	Kirovgrad, Sverdlovskaya Oblast'	OAo Kirovgrad Hard Alloys

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Russia	Ammonium paratungstate	Vladikavkaz, North Ossetia Republic	OA0 Pobedit (ZAO Wolfram controlling share)
Russia	Ferrotungsten	Unecha, Bryanskaya Oblast	Unecha Refractory Metals Plant (ZAO Wolfram)
United States	Ammonium paratungstate	Towanda, Pennsylvania	Global Tungsten & Powders Corp. (Plansee Group)
United States	Tungsten carbide	Fallon, Nevada	Kennametal Inc.
United States	Ammonium paratungstate	Huntsville, Alabama	Kennametal Inc.
United States	Ammonium paratungstate	Depew, New York	Niagara Refining LLC [Sumitomo Electric Carbide, Inc. (Sumitomo Electric Industries, Ltd.) and New York Tungsten L.L.C. (Buffalo Tungsten Inc.)]

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Uzbekistan	Ammonium paratungstate	Chirchiq, Toshkent Province	Almalyk GMK [formerly operated by Uzbek Refractory and Heat-Resistant Metals (OJSC "UzKTJM")]
Vietnam	Ferrotungsten	Tan Tien Industrial Zone, Vinh Bao District, Hai Phong Province	Asia Tungsten Products Vietnam Ltd. [Asia Tungsten Products Co., Ltd. (Hong Kong)]
Vietnam	Ammonium paratungstate	Dai Tu District, Thai Nguyen Province	Nui Phao H.C. Starck Tungsten Chemicals Manufacturing LLC [Nui Phao Mining Company Ltd. (Masan Group) and H.C. Starck GmbH]
Vietnam	Ammonium paratungstate	Nhon Trach District, Dong Nai Province	Sanher Tungsten Vietnam Co. Ltd.
Vietnam	Ammonium paratungstate	Trang Bang District, Tay Ninh Province	Tejing (Vietnam) Tungsten Co., Ltd.
Vietnam	Ferrotungsten	Cailan Industrial Zone, Halong City, Quang Ninh Province	Vietnam Youngsun Tungsten Industry Co. Ltd. (HongKong Wolfram International Investment Co., Ltd.)